

# Mass Monitoring of IP and Voice Networks

ClearTrail has the distinctive edge of having implemented and maintained mass interception systems across hundreds of links of Voice and IP networks. We understand that mass monitoring of Fixed, Mobile and IP networks is one of the most complicated solutions. Massive costs, converging networks, exploding bandwidth, enormous data retention and analysis are prime concerns while planning mass monitoring of communications. ComTrail from our product portfolio addresses all these concerns. Since its first deployment, this mass monitoring system, has won numerous accolades from renowned federal security agencies. At ClearTrail, we never rest on our laurels. With a clear insight into the present and a clearer vision for the future, we have re-engineered ComTrail to achieve high performance @ low cost. With this redefined product LEA's can now mass intercept all bandwidths of IP links, WiMAX, GSM/CDMA, PSTN, GPRS, 3G/3.5G, VSAT and IDEN.

## Mass Interception. Smarter Product. Clearer Trail

### ComTrail at a Glance

- Equipped to handle millions of communications per day intercepted over high speed STM & Ethernet Links
- Doubles up as Targeted Monitoring System
- On demand data retention, capacity exceeding several years
- Instant Analysis across thousands of Terabytes
- Correlates Identities across multiple networks
- Speaker Recognition & Target Location

# Targeted IP Monitoring

Total monitoring of all Operators to plug any intelligence leakage is critical for government agencies. Yet, maintaining cent percent coverage at all times proves to be a challenge. At ClearTrail, our close association with LEAs across the globe helps us understand their specific needs and emerging challenges. In an endeavor to provide a portable solution to answer all these challenges, we are proud to present- xTrail, our new portable "On-the-Go" IP interception system which provides extended monitoring coverage to LEAs.

## **Portable Interception . Smarter Product. Clearer Trail**

### **xTrail at a Glance**

- Pure passive probe
- Designed for rapid field operations at ISP/GPRS/3G/Wi-Max/VSAT Network Gateways
- Stand-alone solution for interception, decoding and analysis of multi Gigabit IP traffic
- Portable trolley based for simplified logistics, can easily be deployed and removed from any network location
- Huge data retention, rich analysis interface and tamper proof court evidence
- Easily integrates with any existing centralized monitoring system for extended coverage



# Tactical Wi-Fi Monitoring

Conventionally, tactical monitoring of public Internet networks is confined to bulky Passive Interception systems. But now, with evolving network dynamics like, secured networks, encryption, complex billing systems, Passive Interception alone is not suitable to monitor Wi-Fi & Wired LANs. At ClearTrail, we keep an eye on the future while we update our present. Having understood emerging challenges, we have equipped our globally established system "QuickTrail" with Active & Passive Interception mechanisms. Future Proof your tactical interceptions with QuickTrail.

**Wi-Fi Interception. Smarter Product. Clearer Trail**

## **QuickTrail at a Glance**

- Conveniently housed in a laptop computer
- Intercepts Wi-Fi and Wired LANs in five different ways
- Breaks WEP, WPA/WPA 2 (PSK) to rip off Secured Wi-Fi Networks
- Deploys Spywares into target's machine
- Monitors Gmail, Yahoo and all other HTTPS based communications
- Reconstructs Webmails, Chats, VoIP Calls, News Groups & Social Networks

# Off-The-Air Interception

In an increasingly complex communication world, with cellular devices having given communication a paradigm shift, tactical monitoring of mobile communications can prove to be a challenge to the LEAs. Though centralized GSM monitoring center does provide access to any mobile communication but sometimes field operations are a need of the hour. In such situations, LEAs face encryption, large number of GSM Operators, multiple BTS and range of frequencies as challenges to tactical monitoring of mobile communications.

The all-new "mTrail" is ClearTrail's answer to all these challenges. The new mTrail is now geared with powerful technology that leaves no foot prints while intercepting communication. It's portable, easy to deploy and makes it easier to intercept and analyze mobile communications.

**Mobile Interception . Smarter Product. Clearer Trail**

## **mTrail at a Glance**

- Designed for Passive Interception of GSM Communication
- Intercepts Voice & SMS "Off-The-Air"
- Detects location of the target
- Can be deployed as a fixed unit or mounted in a surveillance van
- No support required from GSM operator